

IN THE CLAIMS

Please cancel claims 1-22, and add new claims 23-30 as follows:

1-22. (Canceled)

23. (New) A plasmid carrying *gag*, *dpol*, *env* and *rev* genes, wherein the *gag*, *dpol*, *env* and *rev* genes are derived from SIV (Simian immunodeficiency virus) and the *dpol* gene encodes a protease, and wherein the plasmid lacks *vpr*, *tat*, and *nef* genes.

24. (New) A plasmid carrying a SIV-derived *pol* gene encoding a reverse transcriptase and an integrase, wherein the 5'-end of the *pol* gene is linked to the signal sequence of a secretory protein.

65 25. (New) The plasmid of claim 24, wherein the secretory protein is glycoprotein D (gD) of Herpes simplex virus (HSV).

26. (New) A DNA vaccine for prevention of AIDS in rhesus monkeys comprising:

a first plasmid carrying *gag*, *dpol*, *env* and *rev* genes, wherein the *gag*, *dpol*, *env* and *rev* genes are derived from SIV (Simian immunodeficiency virus) and the *dpol* gene encodes a protease, and wherein the first plasmid lacks *vpr*, *tat* and *nef* genes, and

a second plasmid carrying a SIV-derived *pol* gene encoding a reverse transcriptase and an integrase, wherein the 5'-end of the *pol* gene is linked to the signal sequence of a secretory protein,

wherein said DNA vaccine lacks genes encoding IL-2 and GM-CSF.

27. (New) The DNA vaccine of claim 26, wherein the first plasmid is pTV-SIV/GE (Accession NO: KCTC 0702BP).
28. (New) The DNA vaccine of claim 26, wherein the secretory protein of the second plasmid is glycoprotein D (gD) of Herpes simplex virus (HSV).
29. (New) The DNA vaccine of claim 26, wherein the *pol* gene of the second plasmid is mutated at base positions 5130-5135 (per base positions identified in GenBank Accession Number M33262), and wherein the bases at positions 5130-5132 are deleted, and the bases at positions 5133-5135 are substituted by bases encoding serine.
30. (New) The DNA vaccine of claim 26, wherein the second plasmid is pTV-SIV/pol (Accession NO: KCTC 0703BP).
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